

**IN THE SPECIFICATION:**

All page and line references below are to the substitute specification, filed with the original application papers.

5       The paragraph beginning at page 5, line 2, has been amended as follows:

B1  
10       Fig 1 illustrates a conventional pacer housing 1 having a molded, transparent connective part 2. The connective part 2 includes a female socket 3. The inner end of the socket 3 is provided with a longitudinal bore 7 having a relatively small diameter. The bore 7 is provided with a contact surface 4 adjacent to which threads for a set or lock screw 5 are located in a bore 6 oriented orthogonally relative to the female socket. The housing 2 is hermetically sealed in relation to the molded part 2 and the contact between the interior electronics and the contact surface 4 is achieved by means of a  
15       feed-through. The feed-through is a ceramic plug, typically made of alumina, into which one or more leads have been soldered. This lead is bonded (e.g. ultrasonically welded) to the electronics and to the contact surface 4. The ceramic plug is soldered or brazed with gold into a sleeve made of titanium. This operation may be done at any time before the assembly of the pacer  
20       housing 2. The sleeve is welded into an opening in the housing 2 in a sealing manner during the assembly of the pacer housing 2 that normally is formed by two halves. Before the connective part is molded onto the housing, these halves are welded together and sealed.

25       The paragraph beginning at page 6, line 10, has been amended as follows:

B2  
30       The member has a tube 21 with two open ends 22, 23. One end 22 is to be welded into an opening in the pacer housing. The tube 21 is made of the same metal as the pacer housing, in this case titanium. The opposite end 23 of the tube 21 is provided with a ceramic plug 26 fitting snugly in the tube 21 and soldered with for instance gold against the inside of the tube 21. ~~One contact ring~~ A metallic tubular sleeve 27 serving as a contact sleeve has been molded or bonded into the ceramic plug 26.

The paragraph beginning at page 6, line 16, has been amended as follows:

B 3 5 The ceramic plug 26 is provided with an interior bore corresponding to the shape of the proximal part of the male connector in the same way as the molded prior art female connector described above and thus includes an interior sealing surface 53 for engagement with the sealing rings on the male connector.

The paragraph beginning at page 6, line 21, has been amended as follows:

10 The outer side of the ~~Outer~~ outer end of the contact ~~ring~~ sleeve 27 is free ~~45~~ from ceramic and extends out past the end of the tube 21, thus forming a contact surface for connection to the interior of the housing.

The paragraph beginning at page 6, line 24, has been amended as follows:

15 The inner bore of the ceramic plug is closed by a metal plug 20 28 having an inner bore at the inner end sized to correspond to the contact pin of the male connector and forming the innermost part of the inner bore of the ceramic plug. The inner bore of the metal plug 28 also comprises an inner, circumferential groove 30. The outer end of the metal 28 plug extends out  
20 from the ceramic, past the end of the contact ~~ring~~ sleeve 27, thus forming a second contact surface. The metal plug 28 may be molded into the ceramic plug 26 or may be a separate part inserted and bonded into the inner bore of the ceramic plug.

25 The paragraph beginning at page 7, line 3, has been amended as follows:

The end part 31 of the inside of the contact ~~ring~~ sleeve 27 is not covered with the ceramic material. In this way an inner circumferential groove is obtained in the inner bore of the ceramic plug 26. The bottom of the groove consists of the metal in the contact ~~ring~~ sleeve 27.

The paragraph beginning at page 8, line 12, has been amended as follows:

B4  
The lead locking arrangement 40 has a resilient ring 70 40 mounted in an interior, circumferential groove 71 in an inner sealing surface 54 in a  
5 ~~hollow~~ hollow locking cylinder 41 fitting in the open end of the tube 21. The resilient ring is mounted so as to be located directly behind the hindmost sealing ring 116 on the plug 110. The resilient ring has an inner circumferential locking flange 72 biased inwardly into the central bore. When the plug 110 is inserted into the connective member, the sealing rings 412—  
10 ~~416~~ 112, 113, 114 and 116 thus will pass the flange and the hindmost sealing ring 116 will be held by the flange 72 against a movement outwardly from the connective member 40. Other lead locking means that could be used in this embodiment are for instance disclosed in United States Patent No. 4,934,366, the teachings of which are incorporated herein by reference.

15 The paragraph beginning at page 8, line 24, has been amended as follows:

Fig 5 shows how the tube has been mounted in a pacer housing 60 and welded to an opening 61 in the housing via flanges located on the outside of the tube ends. Fig 5 also shows a male connector plug 110 inserted in the  
20 tubular member. The plug has a contact pin 411 111, a contact surface 412 118 and four sealing rings 112, 113, 114, 116. The sealing rings 112 - 114, 116 are in engagement with the interior sealing surfaces 53, 54 and the spring contacts are in contact pin 111 respectively with the contact surface 118.

The paragraph beginning at page 9, line 20, has been amended as follows:  
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B5  
The pacer then is finished by ~~slipping~~ slipping the resilient spring contacts into the respective interior grooves in the ceramic plug and by inserting and bonding the lead locking means into place in the open end of the tube.

The paragraph beginning at page 10, line 15, has been amended as follows:

13 6 In an alternative embodiment, illustrated in Fig 6, a tube 121 has  
opposite ends 122, 123 and the mid-section of the tube 121 is provided with  
5 two relatively small lateral openings 124, 125. The openings 124, ~~125~~ 125  
are sealed by means of a ceramic plug 126 fitting snugly in the tube and  
soldered with gold or otherwise bonded against the inside of the tube. Two  
contact rings 127, 128 have been molded into the ceramic plug.

10 The paragraph beginning at page 10, line 21, has been amended as follows:

The ceramic plug 126 is provided with an interior bore corresponding to  
the shape of the proximal part of the male connector in the same way as the  
molded prior art female connector described above. The ceramic plug thus  
includes an interior-sealing surface 153 for engagement with sealing rings on  
15 the male connector.

The paragraph beginning at page 10, line 26, has been amended as follows:

The central part ~~130, 131~~ of the inside of each of the contact rings is  
not covered with the ceramic material. In this way two inner circumferential  
20 grooves 130, 131 are obtained in the inner bore of the ceramic plug. The  
bottom of the grooves consists of the metal in the contact rings. Two  
openings 132, 133 are also provided in the outer surface of the ceramic plug  
126 that may be made to coincide with the lateral openings 124, 125 in the  
tube wall. These openings allow access to the contact rings 127, 128 when  
25 the ceramic plug 126 has been mounted correctly in the tube 121. Leads for  
contacting the interior of the housing can be bonded to the parts of the contact  
rings 127, 128 accessible through the openings 124, 125 and 132, 133.

The paragraph beginning at page 11 line 28, has been amended as follows:

30 Typical dimensions for a tube intended to house a standard IS-1 male  
connector are for instance an inner diameter of 5 mm,[[,]] a wall thickness of  
0.3 mm (i.e. the same as the thickness of typical pacemaker housing walls) and a

diameter of the holes 124, 125 of about 2 mm. A minimum area of about 4 mm<sup>2</sup> is necessary for the equipment presently used for bonding leads to metallic surfaces. The length of the tube is of course adapted to the specific housing into which it is to be placed, but might typically be about 25 mm.

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